

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-218296

(43)Date of publication of application : 27.08.1996

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(51)Int.Cl. D21H 19/24  
C08L 63/00  
C08L101/06  
C09D 11/10  
C09D171/02  
// C08G 59/40  
C08G 59/40

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(21)Application number : 07-050415

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(22)Date of filing : 15.02.1995

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**(54) ACTIVE ENERGY BEAM-CURABLE COMPOSITION FOR PAPER COATING****(57)Abstract:**

**PURPOSE:** To provide an active energy-curable type of resin composition for paper coating, which mainly comprises a specific oxetane ring-containing compound, thus shows a rapid curing rate and gives a coated layer having gloss, high adhesion, scuff resistance and flexibility.

**CONSTITUTION:** A compound having 1-4 oxetane rings in an amount of 100 pts.wt. is mixed with an optically cationic polymerization initiator such as a diaryl iodonium salt to prepare this composition for paper coating which is cured with active energy rays such as from a mercury lamp. This composition may be combined additionally with an alicyclic epoxy compound, a vinyl ether such as hydroxyethyl vinyl ether, a compound bearing (meth)acryloyl groups such as a (meth)acrylate ester of phenol, nonylphenol or ethyl hexanol and a photoradical polymerization initiator such as a benzoyl alkyl ether.

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**LEGAL STATUS**

[Date of request for examination] 03.08.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3364915

[Date of registration] 01.11.2002

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]